

1 **ABSTRACT**

2 The present invention provides an intelligent, modular
3 multimedia computer management system for coupling a series
4 of remote computers to one or more user workstations to
5 allow each user workstation to selectively access and
6 control one or more remote computers. The computer
7 management system incorporates a centralized switching
8 system that receives keyboard, cursor control device,
9 audio, and auxiliary peripheral device signals from the
10 user workstation and transmits and applies the signals to
11 the remote computer in the same manner as if the keyboard,
12 cursor control device, audio input source, or auxiliary
13 peripheral device of the user workstation were directly
14 coupled to the remote computer. Also, the user workstation
15 receives audio signals and auxiliary peripheral device
16 signals from the remote computer. In addition, the
17 multimedia computer management system transmits video
18 signals from the remote computer over an extended range for
19 display on the video monitor of the user workstation.